

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
17 June 2004 (17.06.2004)

PCT

(10) International Publication Number
WO 2004/049824 A1

(51) International Patent Classification⁷: A23L 1/06,
1/064, 1/068, 1/212

(21) International Application Number:
PCT/IB2002/005554

(22) International Filing Date:
20 December 2002 (20.12.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
1199/DEL/2002 29 November 2002 (29.11.2002) IN

CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE,
SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,
VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK,
TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— as to the applicant's entitlement to claim the priority of the
earlier application (Rule 4.17(iii)) for the following desig-
nations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY,
BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC,
EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS,
JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL,
PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT,
TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent
(GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK,
TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG)

(71) Applicant (*for all designated States except US*): COUN-
CIL OF SCIENTIFIC AND INDUSTRIAL RE-
SEARCH [IN/IN]; Rafi Marg, 110 001 New Delhi (IN).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): REKHA, Mysore,
Narayan [IN/IN]; Central Food and Technological Re-
search Institute, Mysore, 570 013 Karnataka (IN). AVULA,
Ramesh, Yadav [IN/IN]; Central Food and Technological
Research Institute, Mysore, 570 013 Karnataka (IN).
CHAUHAN, Attar, Singh [IN/IN]; Central Food Tech-
nological Research Institute, Mysore, 570 013 Karnataka
(IN). RAMTEKE, Ramesh, Shyam [IN/IN]; Central
Food and Technological Research Institute, Mysore, 570
013 Karnataka (IN).

(74) Agent: HARIHARAN, Rajeshwari; Kumaran & Sagar,
84-C, C6 Lane, Off Central Avenue, Sainik Farms, 110 062
New Delhi (IN).

Published:

— with international search report

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: A PROCESS FOR THE PREPARATION OF SHELF STABLE FRUIT SPREAD WITH NO ADDED SUGAR

(57) **Abstract:** The invention provides a process for preparing fruit spread from liquefied fruit pulps and juice concentrates without the addition of sugar, artificial sweeteners, acid, pectin and thickeners, wherein the fruit pulp is incubated with pectolytic enzyme under controlled conditions to reduce the pulp viscosity to a desired level.

WO 2004/049824 A1